

ATTY. DOCKET NO.

4055-4

APPLICANT

HOFVANDER et al

SERIAL NO.

08/070,455

(Use several sheets if necessary)

FILING DATE

GROUP

June 9, 1993

1638

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

							TRANSLATION	
	DOCUMENT	DATE	COUNTRY	CLASS	SUBCLASS	YES	NO	
<i>DX</i>	WO 92/11376	07/1992	PCT	—	—	—	—	

	Declaration of Lars Rask, 09/06/96
	Second Declaration of Lars Rask, 10/23/96
	Deposition of Lars Rask, 04/17/97 & 4/18/97
	Declaration of Per Persson, 09/05/96
	Second Declaration of Per Persson, 11/13/96
	Declaration of Per Persson (3), 12/18/96
	Deposition of Per T. Persson, 04/22/97
	Declaration of Karin Svegmarm, 09/05/96
	Second Declaration of Karin Svegmarm, 11/13/96
	Deposition of Karin Svegmarm,
	Declaration of Peter M. Bruinenberg, 09/05/96
	Declaration of Peter M. Bruinenberg, 10/23/96
	Third Declaration of Peter M. Bruinenberg, 11/13/96
	Fourth Declaration of Peter M. Bruinenberg, 12/03/96
	Deposition of Peter M. Bruinenberg, 03/12/97
	Declaration of Visser, Jacobssen and Fennestra, 09/05/06
	Declaration of Paul J.H.C. Mijland, 10/23/96
	Declaration of Phillipe Roger, 11/13/96
	Declaration of Phillipe Roger, 12/18/96
	Declaration Under 37 C.F.R. §1.132 (Declaration of Richard G. F. Visser), 11/24/93
071=	Hermansson, A. and Svegmarm, K., Developments in the understanding of starch functionality, Trends in Food Science and Technology (reprinted in Elsevier Trends Journals), Vol. 7, November 1996, pp. 345-353
	Zobel, H., Ch. IX, Starch Gelatinization and Mechanical Properties, pp. 300-302
	Weisenborn, D., et al., Potato Starch Paste Behavior as Related to Some Physical/Chemical Properties, Journal of Food Science, Vol. 59, No. 3, 1994, pp. 644-648
	Swinkels, J.J.M. et al., Compositions and Properties of Commercial Native Starches, Starch/Starke, Vol. 37, No. 1. S., 1985, pp. 1-5
	Madsen, M. H. et al., Potato Starch During Growth, Starch/Starke, Vol. 46, No. 7/8, 1996, pp. 245-249
	Larsson, C. et al., Three isoforms of starch synthase and two isoforms of branching enzyme are present in potato tuber starch, Plant Science, Vol. 117, 1996, pp. 9-16
	Kuipers, G.J. et al., Field evaluation of antisense RNA mediated inhibition of GBSS gene expression in potato, Euphytica, Vol. 59, 1992, pp. 83-91
	Hergersberg, M., A Molecular Analysis of the Waxy Gene from Solanum tuberosum and expression of waxy antisense RNA in transgenic potatoes (English translation of pp. 25-64 is attached), 1988

considered but not appropriate for printing

$$D11 =$$

2000

6/11/03

INFORMATION DISCLOSURE
CITATION

ATTY. DOCKET NO.

4055-4

APPLICANT

HOFVANDER et al



SERIAL NO.

08/070,455

(Use several sheets if necessary)

FILING DATE

June 9, 1993

GROUP

1638

DF	Kuipers, A.G.J. et al., Factors affecting the inhibition by antisense RNA of granule-bound starch synthase gene expression in potato, <i>Mol Gen Genet</i> , Vol. 246, 1995, pp. 745-755
	Banks, W. and Greenwood, C.T., <i>Starch and its Components</i> , University Press, Edinburgh, pp. 77-79
	Bird, C.R. and Ray, J.A., Manipulation of Plant Gene Expression by Antisense RNA, <i>Biotechnology and Genetic Engineering Reviews</i> , Vol. 9, 1991, Ch. 6, pp. 207-227
	Kuipers, A.G.J. et al., Field evaluation of transgenic potato plants expressing an antisense granule-bound starch synthase gene: increase of the antisense effect during tuber growth, <i>Plant Molecular Biology</i> , Vol. 26, 1994, pp. 1759-1773
	Shannon, J.C. and Garwood, D.L., <i>Starch: Chemistry and Technology</i> , 2 nd Ed., (Edited by Whistler et al.), Chapter III: "Genetics and Physiology of Starch Development", 1984, pp. 32-33
	Hizukuri, S., Relationship Between the Distribution of the Chain Length of Amylopectin and the Crystalline Structure of Starch Granules, <i>Carbohydrate Research</i> , Vol. 141, 1985, pp. 295-306
	Svegmark, K. et al., Molecular structures obtained from mixed amylose and potato starch dispersions and their rheological behaviour, <i>Carbohydrate Polymers</i> , Vol. 22, 1993, pp. 19-29
	Murugesan, G., Characterisation of hot-water-soluble components of starches, <i>Carbohydrate Research</i> , Vol. 242, 1993, pp. 203-215
	Hizukuri, S., Chapter 9: "Starch: Analytical Aspects", <i>Carbohydrates in Food</i> , MDI Decker, pp. 347, 392-393, 420-421
	Kuipers, A.G.J. et al., Formation and Deposition of Amylose in the Potato Tuber Starch Granule Are Affected by the Reduction of Granule-Bound Starch Synthase Gene Expression, <i>The Plant Cell</i> , Vol. 6, 1994, pp. 43-52
	Roger, R. and Colonna, P., Evidence of the Presence of Large Aggregates Contaminating Amylose Solution, <i>Carbohydrate Polymers</i> , Vol. 21, 1993, pp. 83-89
	Hizukuri, Polymodal Distribution of the Chain Lengths of Amylopectins, And Its Significance, <i>Carbohydrate Research</i> , Vol. 147, 1986, pp. 342-347
	Kalichevsky et al., The Retrogradation and Gelation of Amylopectins From Various Botanical Sources, <i>Carbohydrate Research</i> , Vol. 498, 1990, pp. 49-55
	Radley, J.A., <i>Starch & Its Derivatives</i> , 4 th Ed., "Swelling and Gelation of Starch", 1968, p. 180-193
	Stryer, L., <i>Biochemistry</i> , 2 nd Ed., Chapter 26: "The Genetic Code", p. 629, [1975, 1981]
	Sheehy, R.E. et al., Reduction of polygalacturonase activity in tomato fruit by antisense RNA, <i>Proc. Natl. Acad. Sci. USA</i> , Vol. 85, 1988, pp. 8805-8809
	Visser, R.G.F. et al., Expression of a chimaeric granule-bound starch synthase-GUS gene in transgenic potato plants, <i>Plant Molecular Biology</i> , Vol. 17, 1991, pp. 691-699
	Visser, R.G.F. et al., Efficient transformation of potato (<i>Solanum tuberosum</i> L.) using a binary vector in <i>Agrobacterium rhizogenes</i> , <i>Theor Appl Genet (Theoretical and Applied Genetics)</i> , Vol. 78, 1989, pp. 594-600
	Visser, R.G.F. et al., Expression and inheritance of inserted markers in binary vector carrying <i>Agrobacterium rhizogenes</i> -transformed potato (<i>Solanum tuberosum</i> L.), <i>Theor Appl Genet</i> , Vol. 78, 1989, pp. 705-714
	Visser, R.G.F. et al., Transformation of homozygous diploid potato with an <i>Agrobacterium tumefaciens</i> binary vector system by adventitious shoot regeneration on leaf and stem segments, <i>Plant Molecular Biology</i> , Vol. 12, 1989, pp. 329-337
	Visser, R.G.F. et al., Regeneration and transformation of potato by <i>Agrobacterium tumefaciens</i> , <i>Plant Tissue Culture Manual B5: 1-9</i> , 1991
	Schuch, W. et al., Control and manipulation of gene expression during tomato fruit ripening, <i>Plant Molecular Biology</i> , Vol. 13, 1989, pp. 303-311
	Delauney, A.J. et al., A stable bifunctional antisense transcript inhibiting gene expression in transgenic plants, <i>Proc. Natl. Acad. Sci. USA</i> , Vol. 85, 1988, pp. 4300-4304
	Smith, C.J.S. et al., Antisense RNA inhibition of polygalacturonase gene expression in transgenic tomatoes, <i>Nature</i> , Vol. 334, 1988, pp. 724-726
	van der Krol, A.R. et al., An anti-sense chalcone synthase gene in transgenic plants inhibits flower pigmentation, <i>Nature</i> , Vol. 333, 1988, pp. 866-869
↓	Wessler, M.S. and Fedoroff, N., Molecular Identification and Isolation of the Waxy Locus in Maize, <i>Cell</i> , Vol. 35, 1983, pp. 225-233

received 7/4

6/11/03

INFORMATION DISCLOSURE CITATION

ATTY. DOCKET NO.

4055-4

APPLICANT

HOFVANDER et al

FILING DATE

June 9, 1993

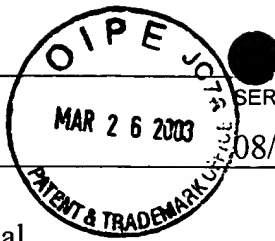
SERIAL NO.

08/070,455

GROUP

1638

(Use several sheets if necessary)



DX

van der Leij, F.R., Visser, R.G.F. et al., Complementation of the amylose-free starch mutant of potato (*Solanum tuberosum*.) by the gene encoding granule-bound starch synthase, Theor Appl Genet, Vol. 82, 1991, pp. 289-295

Benfey, P.N. et al., The CaM \bar{N} 35S enhancer contains at least two domains which can confer different developmental and tissue-specific expression patterns, The EMBO Journal, Vol. 8, No. 8, 1989, pp. 2195-2202

Rocha-Sosa, M. et al., Both developmental and metabolic signals activate the promoter of a class I patatin gene, The EMBO Journal, Vol. 8, No. 1, 1989, pp. 23-29

Schoch, T.J., Fractionation of Starch by Selective Precipitation with Butanol (Contribution from The Research Laboratory of Corn Products Refining Company), Vol. 64, Dec. 1942, pp. 2957-2961

Schoch, T.J., Adv. in Carb. Chem., Vol. 1, The Fractionation of Starch, 1945, pp. 247-277

Bates, F.L. et al., Amylose and Amylopectin Content of Starches Determined by their Iodine Complex Formation (Contribution from the Iowa Agricultural Experiment Station), Vol. 65, pp. 142-148

~~Stockhaus et al., Antisense RNA Efficiently Inhibits Formation of the kd Polypeptide of Photosystem II in Transgenic Potato Plants: Analysis of the Role of the 10kd Protein, The EMBO Journal, Vol. 9, 1990, pp. 3031.~~

~~Sargeant, J.G., Starch/Starke, Vol. 34, 1982, pp. 89-92~~

~~Salomonsson, A.C. and Sunberg, B., Starch/Stärke, Vol. 46, 1994, pp. 325-328~~

Dubeis et al., Anal. Chem., Vol. 18, No. 3, 1956, pp. 350-356

Feenstra, W.J. et al., Toward Potatoes Yielding Modified Starches, pp. 73-75, Poster Presentation, Sunday, 16-4-1989, The European Workshop on Plant Biotechnology-Engineered Storage Products for the Agro Industry, Tanus Congress Centre, Parkhotel Und Karhaus Bad Soden a. Ts., Kongssteiner Strabe 88, D-6232 Bod Soden a. Ts.

Accession No. X52580 Barley grp gene f...[gi:18995], Submitted 04-Apr-1990

Accession No. X52417 *S. tuberosum* waxy ...[gi:21615], Submitted 04-Apr-1990

Accession No. X52416 *S. tuberosum* waxy ...[gi:21613], Submitted 04-Apr-1990

*Examiner

Date Considered

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application.